<110> LAMBERTY, MIREILLE
BULET, PHILLIPE
BROOKHART, GARY
HOFFMAN, JULES
<I20> GENE CODING FOR HELIOMICINE, AND USE
THEREOF
<130> A33595-PCT-USA
<140> 09/673,274.
<141> 1999-04-12
<150> PCT/FR99/00843
<151> 1999-04-12
<150> FR 98 04933
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<210> 1
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agtgactgca acggcgagtg caagcgccgc ggttacaagg gtggccattg tggatccttc 120
gctaacgtta actgttggtg tgaaacc 147
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gagtgcaaga ggaggggtta caagggtggt cactgcggtt ccttcgctaa cgtgaactgc 120
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gtgctgtgaa ctacacttcc gattgcaacg gtgagtgcaa gaggaggggt tacaagggtg 180
gtcactgcgg ttccttcgct aacgtgaact gctggtgcga gacttgagag ctcggcgagg 240
cgaacgtgtc gacggatccg g 261
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ctcttcttct tttccttgtg atctctcact cttgccgtgc tggagacgcg aattcacaca 120
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ctcttcttct tttcc75
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<211> 72
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aaagatggaa gc
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<211> 80
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gagtgcaaga ggaggggtta }8
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tagcgaagga accgcagtga ccacccttgt aacccctcct cttgcactc 109
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<210> 10
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<212> DNA
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tagagg
                                    66
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gcgtttaaac ttaattaagt gtggcctgac tgg 93
<210> 13
<211> 50
<212> DNA
<213> Artificial Sequence
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<223> SYNTHETIC POLYNUCLEOTIDE
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<210> 14
<211> 50
<212> DNA
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<211> 81
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atcgtgcacg gcgccgaatt c
81
<210> 16
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<212> DNA

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<400> 16
gataagctta tcggttcctg cgtg 24
<210> 17
<211> 32
<212> DNA
<213> Artificial Sequence
<220>
<223> SYNTHETIC POLYNUCLEOTIDE
<400> 17
ggctcgagtc aagtctcgca ccagcagttc ac 32
<210> 18
<211> 213
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<213> Artificial Sequence
<220>
<223> SYNTHETIC POLYNUCLEOTIDE
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atcgtgcacg gcgataagct tatcggttcc tgcgtgtggg gtgctgtgaa ctacacttcc 120
gattgcaacg gtgagtgcaa gaggaggggt tacaagggtg gtcactgcgg ttccttcgct 180
aacgtgaact gctggtgcga gacttgactc gag 213
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<221> misc_structure
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<221> terminator
<222> (569)...(832)
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<221> promoter
<222> (7)...(532)
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<222> (539)...(736)
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ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
acacatgtaa ggtggaaaat gtaagggcgg aaagtaacct tatcacaaag gaatcttatc 360
ccccactact tatcctttta tatttttccg tgtcattttt gcccttgagt tttcctatat 420
aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tggtgtaagc tattttcttt 480
gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctaga }53
atg gcc tgc acc aac aac gcc atg agg gcc ctc ttc ctc ctc gtg ctc 5 56
Met Ala Cys Thr Asn Asn Ala Met Arg Ala Leu Phe Leu Leu Val Leu
1 5 10 15
ttc tgc atc gtg cac ggc gat aag ctt atc ggt tcc tgc gtg tgg ggt 634
Phe Cys Ile Val His Gly Asp Lys Leu Ile Gly Ser Cys Val Trp Gly
20 25 30
gct gtg aac tac act tcc gat tgc aac ggt gag tgc aag agg agg ggt 682
Ala Val Asn Tyr Thr Ser Asp Cys Asn Gly Glu Cys Lys Arg Arg Gly
35 40 45
tac aag ggt ggt cac tgc ggt tcc ttc gct aac gtg aac tgc tgg tgc

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    gag act tgactcgagg gggggcccgg taccggatcc aattcccgat cgttcaaaca 786
    Glu Thr
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    tttggcaata aagtttctta agattgaatc ctgttgccgg tcttgcgatg attatcatat 846 ( gtaatgcatg acgttattta 906
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agcttggata aaagagacaa gttgattggc agctgtgttt ggggcgccgt ca
    5 2
<210> 22
<211> 56
<212> DNA
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<210> 23
<211> 52
<212> DNA
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<223> SYNTHETIC POLYNUCLEOTIDE
<400> 23
actacactag tgactgcaac ggcgagtgca agcgccgcgg ttacaagggt gg
    5 2
<210> 24
<211> 52
<212> DNA
<213> Artificial Sequence
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<223> SYNTHETIC POLYNUCLEOTIDE
<400> 24
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    <211> 56
    <212> DNA
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    <223> SYNTHETIC POLYNUCLEOTIDE
    <400> 25
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    <211> 52
<212> DNA
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<220>
<223> SYNTHETIC POLYNUCLEOTIDE
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gatctgtcga cctatcaggt ttcacaccaa cagttaacgt tagcgaagga tc 52
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<212> DNA
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gatccttcgc taacgttaac tgttggtgta gaacctgata gg 42
<210> 28
<211> 42
<212> DNA
<213> Artificial Sequence
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<223> SYNTHETIC POLYNUCLEOTIDE
<400> 28
tcgacctatc aggttctaca ccaacagtta acgttagcga ag42
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<211> 32
<212> DNA
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<220>
<223> SYNTHETIC POLYNUCLEOTIDE

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<223> SYNTHETIC POLYNUCLEOTIDE
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<213> Artificial Sequence

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aaacacagct accagcagca gcagctcttt tatcca 36
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<211> 26
<212> DNA
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<400> 38
gcaacaagca ctcagcagcg cagtca

